Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (canceled).

1   Claim 14 (previously presented): A system for charging, in
2   a packet based telecommunication network, the packet load
3   per connection, the system comprising:
4   a measuring device for measuring a time period during
5   which a predefined number (N) of packets that belong to a
6   common packet connection are received or transmitted during
7   an entire session and through the connection so as to
8   define a measured time period (t), wherein the predefined
9   number is less than a total number of packets carried over
10 the connection during the entire session; and
11   a billing system for formulating a charge for use of
12 the connection in response to the measured time period (t).

1   Claim 15 (currently amended): The system recited in
2   claim 21 14 further comprising a calculation device,
3   responsive to said measuring device, for calculating a
4   ratio reflective of the number (N) of packets per said
5   time period (t) so as to yield a calculation result (r) and
6   supplying the calculation result (r) to the billing system.

1   Claim 16 (previously presented): The system recited in
2   claim 15 wherein the telecommunication network carries
3   system packets (RM, RESV) which comprise an indication (r1)
4   of capacity or priority of the connection and as requested
5   by a user, the system further comprising a first detection
6   device, responsive to the system packets, for reading out
7   the indication (r1) from the system packets and
8   transferring the indication (r1) to the billing system.

1   Claim 17 (previously presented): The system recited in
2   claim 15 wherein the telecommunication system carries
3   system packets (RM, RESV) which comprise an indication (r2)
4   of capacity or priority of the connection and as assigned
5   by the telecommunication system, the system further
6   comprising a second detection device, responsive to the
7   system packets, for reading out the indication (r2) from
8   the system packets and transferring the indication (r2) to
9   the billing system.

1   Claim 18 (previously presented): The system recited in
2   claim 15 further comprising an aggregation device for
3   aggregating the calculation result so as to form an
4   aggregated result and passing the aggregated result to the
5   billing system.

1   Claim 19 (previously presented): The system recited in
2   claim 16 further comprising an aggregation device for
3   aggregating said capacity or priority indications provided
4   by the first detection device so as to form aggregated

5   indications and passing the aggregated indications to the

6   billing system.

1   Claim 20 (previously presented): The system recited in

2   claim 17 further comprising an aggregation device for

3   aggregating said capacity or priority indications provided

4   by the second detection device so as to form aggregated

5   indications and passing the aggregated indications to the

6   billing system.

1   Claim 21 (previously presented): The system in claim 14

2   wherein the packet network is an asynchronous transfer mode

3   (ATM) network and the packets are ATM cells.

1   Claim 22 (previously presented): The system recited in

2   claim 21 further comprising a calculation device,

3   responsive to said measuring device, for calculating a

4   ratio reflective of the number (N) of ATM cells per said

5   time period (t) so as to yield a calculation result (r) and

6   supplying the calculation result (r) to the billing system.

1   Claim 23 (previously presented): The system recited in

2   claim 22 wherein the telecommunication network carries

3   system ATM cells (RM, RESV) which comprise an indication

4   (r1) of capacity or priority of the connection and as

5   requested by a user, the system further comprising a first

6   detection device, responsive to the system cells, for

7   reading out the indication (r1) from the system cells and

8   transferring the indication (r1) to the billing system.

1   Claim 24 (previously presented): The system recited in
2   claim 22 wherein the telecommunication system carries
3   system cells (RM, RESV) which comprise an indication (r2)
4   of capacity or priority of the connection and as assigned
5   by the telecommunication system, the system further
6   comprising a second detection device, responsive to the
7   system packets, for reading out the indication (r2) from
8   the system packets and transferring the indication (r2) to
9   the billing system.

1   Claim 25 (previously presented): The system recited in
2   claim 22 further comprising an aggregation device for
3   aggregating the calculation result so as to form an
4   aggregated result and passing the aggregated result to the
5   billing system.

1   Claim 26 (previously presented): The system recited in
2   claim 23 further comprising an aggregation device for
3   aggregating said capacity or priority indications provided
4   by the first detection device so as to form aggregated
5   indications and passing the aggregated indications to the
6   billing system.

1   Claim 27 (previously presented): The system recited in
2   claim 24 further comprising an aggregation device for
3   aggregating said capacity or priority indications provided
4   by the second detection device so as to form aggregated
5   indications and passing the aggregated indications to the
6   billing system.